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DECLASS REVIEW BY NIMA / DoD

TCS 7712/64
M/EB 410/64
11 August 1964
Copy 2

MEMORANDUM FOR: Chief, Forces Division, ORR

25X1A ATTENTION: [REDACTED]

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Chronology of the Ten Leningrad Circumferential Radar Sites

REFERENCES: (a) Requirement C-RR-4-81,571
(b) CIA/PID Project C 1175-64

1. This memorandum is in response to your requirement dated 7 July 1964 which requests a negation date, construction chronology, and list of photo coverage of the ten Leningrad circumferential radar sites.

25X1D 2. An analysis of photography to determine the construction chronology
25X1D of the Leningrad circumferential radar sites was made covering the period
25X1D from [REDACTED] During this analysis [REDACTED] missions comprising a
25X1D total of [REDACTED] passes provided useful coverage of these installations. Of the
25X1D ten radar sites in the circumferential net, only two sites, Forkhov and Tapa,
25X1D were covered prior to [REDACTED] TALENT photography, and neither site
25X1D was present at this time.

The ten circumferential radar sites can be divided into two major groups-- an outer ring of six sites consisting of Borovichi, Podporozhye, Forkhov, Tapa, Sortavala, and Vyborg, and an inner ring of four sites consisting of Leningrad NW, Leningrad NE, Leningrad SW, and Leningrad SSE.

25X1D The construction of the outer sites appears to have followed a set pro-
25X1D duction schedule with all sites complete, except Podporozhye and Borovichi,
25X1D by [REDACTED] Both of these sites were probably completed shortly thereafter,
25X1D although they were not seen again until [REDACTED] at which time construction
25X1D was completed. No noticeable change has occurred at any of the other sites
25X1D from [REDACTED] to the present. At two of the outer sites, Podporozhye and
25X1D Sortavala, large scale, good quality photography of [REDACTED] enables
a positive identification to be made of a SPOONREST and TALL KING at Podporozhye
and a probable BARLOCK, SPOONREST, probable STONECAKE, and two TALL KINGS at
Sortavala.

GROUP 1
Excluded from automatic
downgrading and
declassification

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SUBJECT: Chronology of the Ten Leningrad Circumferential
Radar Sites

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25X1D The inner sites appear to have had a concurrent construction schedule
25X1D with the outer sites. Only one of these inner sites, Leningrad NW, was
25X1D observed in different phases of construction. It was first observed in a
25X1D mid-stage of construction in [REDACTED] a late stage in [REDACTED] and
25X1D complete by [REDACTED]. The remaining three sites in the inner ring were
25X1D complete when first observed in [REDACTED]. No apparent change, except the
25X1D addition of four support buildings at Leningrad NW, has taken place in the
interim period, [REDACTED] to the present.

3. In the preparation of this memorandum the following reports were
used:

25X1C

[REDACTED]
DIA/9032-0028, October 1963
NPIC/R-89/64, February 1964
NPIC/R-141/64, February 1964
NPIC/R-299/64, May 1964
M/EB 164/64 (C 120/64, C-81-4-80,961), May 31, 1964

25X1A 4. The photo analyst on this project is [REDACTED] who may be contacted
on extension 2421 should you have any further questions concerning this project.

5. This project is considered to be complete.

25X1A

Enclosures:

- 1 - Tabulation on Leningrad
Circumferential Radar Sites
- 2 - Summary of Construction
Chronology

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Attachment 1.

062-8712/64
M/EB 410/64

COMPARATIVE COVER TABULATION
LENINGRAD CIRCUMFERENTIAL RADAR SITES

25X1D

25X1D

25X1D

Installation

Borovich Early Warning
Radar Site
(58-26-20N 33-55-20E)

Podporozhye Early Warning
Radar Site
(60-48-00N 34-15-00E)

Porkhov Early Warning
Radar Site
(57-44-00N 29-40-00E)

Status

Site and support area
appear in late stage of
construction.

Support area only visible.
Construction appears
complete.

Site and support complete.

Site and support NAC*

Site and support NAC*

Site and support NAC*

Site appears in early
stage of construction.
Support area in mid-
stage of construction.

Support area visible only
Construction status
undeterminable.

Site and support area are
still under construction.
Darkness precludes deter-
mination of status -
Probably late stage.

Site and support
completed.

Site and support NAC*

Site and support NAC*

Site and support NAC*

Site and support NAC*

Site and support appear
unchanged. Due to larger
scale and quality some
electronic equipment may
be identified. No new
construction activity
evident.

No radar site evident
Area is under cultivation.

Site and support
evident. Construction
status undeterminable.

Site and support appear
in late stage of
construction.

25X1D

25X1D

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25X1D

25X1D
25X1D

Installation

Porkhov Early Warning
Radar Site
(57-44-00N 29-40-00E)
(continued)

Tapa Early Warning
Radar Site
(59-18-04N 26-01-20E)

25X1D

Sortavala Early Warning
Radar Site
(61-52-55N 30-25-40E)

25X1D

Status

Site and support
completed.

Site NAC*. Support CC

Site and support NAC*

Site and support NAC*

Site and support-ID
only.

Site and support NAC*

Site and support-ID
only.

Site and support NAC*

Site and support NAC*

No radar site evident.
Area is under
cultivation.

Site and support appear
in mid-stage of
construction.

Site and support appear
almost complete.

Site and support
completed.

Site and support-ID only.

Site and support-ID only.

Site and support
operational. No change
evident since [REDACTED]

Site and support-ID only.

Site and support appear
complete. Slight scar-
ring is evident around
control.bunker.

Site and support complete
No change since [REDACTED]

Site and support - NAC*

Site and support - ID only

Site and support - NAC*

Site and support - NAC*

Site and support are fully
operational. Due to larger
scale and quality some
electronic equipment may be
identified. A slight change
is evident but does not
appear to be of recent con-
struction. No new construction
activity evident.

25X1D
25X1D

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Installation

Vyborg Early Warning
Radar Site
(60-43-50N 28-35-00E)

Leningrad NW Radar Site
(60-14-20N 29-45-00E)

Leningrad NE Radar Site
(60-05-30N 31-02-20E)

Status

Site and support area
appears complete.

Site and support are
complete.

Site and support NAC*

Site and support NAC*

Site and support NAC*

Site and support NAC*

Site and support-ID only

Site appears in mid-stage
of construction. Support
facility is in late stage
of construction.

Site appears in late stage
of construction. Support
facility is almost completed

Site and support are
complete. A long u/i ground
scar appears immediately
north of site.

Site and support-ID only

Site and support NAC*

Site and support NAC*

Site and support-ID only.

Site is cloud covered.
Support area reveals 3 new
support buildings and one
possible support building.

Site and support - NAC*

Site and support - NAC*

Site and support - ID only

Site and support remain
unchanged.

Site appears complete.

Site and support are
complete.

Site and support NAC*

Site and support NAC*

Site and support NAC*

Site and support-ID only

Site and support NAC*

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25X1D
25X1D

Installation

Leningrad SW Radar Site
(59-44-20N 29-33-55E)

Status

Site and support appear complete.

Site and support-ID only

Site and support-ID only

Site and support NAC *

Site and support are complete.

Site and support-ID only

Site and support NAC*

Site and support NAC*

Site and support-ID only

Site and support NAC*

Site and support NAC*

Site and support NAC*

Site and support are complete. Due to larger scale and quality, some additional facilities can be identified but do not appear to be of recent construction. No new construction activity evident.

25X1D

25X1D

Leningrad SSE Radar Site
(59-32-20N 30-39-00E)

Area is 90% cloud covered, however, site can be identified. Construction status undeterminable.

Site and support appears

Site and support -ID only

Site and support are complete.

Site and support-ID only

Site and support NAC*

Site and support NAC*

Site and support-ID only

Site and support NAC*

* No apparent change.

25X1D

